

REFERENCE 1

AN 93:138742 CA
 TI Enthalpies of mixing in a germanium-bismuth-tellurium system
 AU Vecher, A. A.; Zhuk, P. P.; Mechkovskii, L. A.; Skoropanov, A. S.
 CS Beloruss. Gos. Univ., Minsk, USSR
 SO Termodin. Svoistva Met. Rasplavov, Mater. Vses. Soveshch. Termodin. Met. Splavov (Rasplavy), 4th (1979), Volume 2, 24-5. Editor(s): Kozin, L. F. Publisher: Izd. Nauka Kazakhskoi SSR, Alma-Ata, USSR. CODEN: 44BXAK
 DT Conference
 LA Russian
 CC 69-1 (Thermodynamics, Thermochemistry, and Thermal Properties)
 Section cross-reference(s): 56
 AB The heats of alloying of the binary alloys Ge-Bi and ternary alloys Bi-Ge-Te were detd. by DTA at 1300 K. For the binary system contg. 15.3-95.3 at.% Ge, the values vary from 300 to 190 \pm 5 cal/g. atom. The ternary systems of compn. 3:1, 1:1, and 1:3 (Te:Bi) were studied. Low values of the mixing enthalpy indicate the possibility of formation of ternary compds.
 ST heat alloying bismuth germanium tellurium
 IT Heat of alloying
 (of bismuth-germanium and bismuth-germanium-tellurium)
 IT 69137-02-6 74978-90-8
 RL: PEP (Physical, engineering or chemical process); PRP (Properties); PROC (Process)
 (heat of alloying of)

=> d'his

(FILE 'HOME' ENTERED AT 17:21:54 ON 31 MAY 2005)

FILE 'CAPLUS' ENTERED AT 17:22:00 ON 31 MAY 2005

L1 2 S US 2004-0106065/PN

FILE 'REGISTRY' ENTERED AT 17:22:29 ON 31 MAY 2005

FILE 'CAPLUS' ENTERED AT 17:22:39 ON 31 MAY 2005

L2 TRA L1 1- RN : 19 TERMS

FILE 'REGISTRY' ENTERED AT 17:22:39 ON 31 MAY 2005

L3 19 SEA L2

L4 19 S L3 AND (BI OR BISMUTH)

L5 19 S L3

FILE 'CAPLUS' ENTERED AT 17:23:18 ON 31 MAY 2005

L6 4 S L5

FILE 'REGISTRY' ENTERED AT 17:23:53 ON 31 MAY 2005

L7 3467 S BI 3-10/MAC

L8 1050 S GE 41-46/MAC

L9 719 S TE 48-52/MAC

L10 2 S L7 AND L8 AND L9

L11 6096 S BI 2-30/MAC

L12 3304 S GE 22-47/MAC

L13 1234 S TE 47-55/MAC

L14 44 S L11 AND L12 AND L13

=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

244.11

280.00

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-31.28

-34.20

STN INTERNATIONAL LOGOFF AT 17:27:10 ON 31 MAY 2005

Freeform Search

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Display:	10 Documents in <u>Display Format:</u> - Starting with Number 1
Generate: <input type="radio"/> Hit List <input checked="" type="radio"/> Hit Count <input type="radio"/> Side by Side <input type="radio"/> Image	

Search History

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<u>Set</u> <u>Name</u>	<u>Query</u>	<u>Hit</u> <u>Count</u>	<u>Set</u> <u>Name</u> result set
side by side			
	DB=USPT,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR		
<u>L17</u>	us-2005064334-\$.did. or wo-2004085167-\$.did. or jp-03058884-\$.did. or jp-0220992-\$.did. or jp-02147288-\$.did. or jp-02043088-\$.did. or jp-02036994-\$.did. or jp-01287836-\$.did. or jp-62209741-\$.did. or us-5278011-\$.did.	15	<u>L17</u>
	DB=EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR		
<u>L16</u>	L15 and l14	153	<u>L16</u>
<u>L15</u>	((optical or laser or information) near5 (medium or media or disk\$1 or disc\$1))	245679	<u>L15</u>
<u>L14</u>	l13 near8 (ge or germanium)	735	<u>L14</u>
<u>L13</u>	(te or tellurium) near8 (bi or bismuth)	3694	<u>L13</u>
<u>L12</u>	(te or tellurium) near5 (bi or bismuth)	3283	<u>L12</u>
	DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR		
<u>L11</u>	L10 not l9	13	<u>L11</u>
<u>L10</u>	l7 and (optical or laser or information)	22	<u>L10</u>
<u>L9</u>	l7 same (optical or laser or information)	9	<u>L9</u>
<u>L8</u>	(L5 or l2) same (bi or bismuth or bi.sub\$5)	26	<u>L8</u>

<u>L7</u>	(L4 or l3) same (bi or bismuth)	127	<u>L7</u>
<u>L6</u>	(L5 or l2) same (bi or bismuth)	17	<u>L6</u>
<u>L5</u>	"te.sub.0.47" or "te.sub.0.48" or "te.sub.0.49" or "te.sub.0.50" or "te.sub.0.51" or "te.sub.0.52" or "te.sub.0.53" or "te.sub.0.54" or "te.sub.0.55"	29	<u>L5</u>
<u>L4</u>	te near5 (0.47\$2 or 0.48\$2 or 0.49\$2 or 0.50\$2 or 0.51\$2 or 0.52\$2 or 0.53\$2 or 0.54\$2 or 0.55\$2)	412	<u>L4</u>
<u>L3</u>	te near5 (47.\$2 or 48.\$2 or 49.\$2 or 50.\$2 or 51.\$2 or 52.\$2 or 53.\$2 or 54.\$2 or 55.\$2)	440	<u>L3</u>
<u>L2</u>	"te.sub.47" or "te.sub.48" or "te.sub.49" or "te.sub.50" or "te.sub.51" or "te.sub.52" or "te.sub.53" or "te.sub.54" or "te.sub.55"	176	<u>L2</u>
<u>L1</u>	us-20040106065-\$.did.	2	<u>L1</u>

END OF SEARCH HISTORY